

Amendments to the Specification:

Please change the equations as set forth below:

Page 18, line 10:

$$\cancel{W^*_{\alpha}(t) = \begin{cases} R'(t) & \text{if } W^*_{\alpha}(t) > \alpha(t) \\ \max[R'(t), \alpha'(t)] & \text{if } W^*_{\alpha}(t) = \alpha(t) \\ \alpha'(t) & \text{if } W^*_{\alpha}(t) < \alpha(t) \end{cases}}$$

$$W^*_{\alpha}(t) = \begin{cases} R'(t) & \text{if } W^*_{\alpha}(t) > \alpha(t) \\ \max[R'(t), \alpha'(t)] & \text{if } W^*_{\alpha}(t) = \alpha(t) \\ \alpha'(t) & \text{if } W^*_{\alpha}(t) < \alpha(t) \end{cases}$$

Page 18, line 15:

$$\cancel{\lim_{t \rightarrow t^-} X(t) = \lim_{t \rightarrow t^-} X(t) + h, h > 0}$$

$$\lim_{t \rightarrow t^+} X(t) = \lim_{t \rightarrow t^-} X(t) + h, h > 0$$

Page 18, lines 20-22:

$$\cancel{X'(\bar{t}) = h\delta_{\bar{t}} + X^{*+}(\bar{t}), X^{*+}(\bar{t}) = \lim_{\Delta \rightarrow 0^+} \frac{X(\bar{t} + \Delta) - X(\bar{t})}{\Delta}}$$

$$\cancel{\max[a\delta_{\bar{t}} + A(t), B(t)] = \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ a\delta_{\bar{t}} + A(t) & t = \bar{t} \end{cases}}$$

$$\max[a\delta_{\bar{t}} + A(t), b(\delta_{\bar{t}}) + B(t)] = \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ \max(a, b)\delta_{\bar{t}} + \max[A(\bar{t}), B(\bar{t})] & t = \bar{t} \end{cases}$$

$$\begin{aligned} X'(\bar{t}) &= h\delta_i + X^{*+}(\bar{t}), X^{*+}(\bar{t}) = \lim_{\Delta \rightarrow 0^+} \frac{X(\bar{t} + \Delta) - X(\bar{t})}{\Delta} \\ \max[a\delta_i + A(t), B(t)] &\doteq \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ a\delta_i + A(\bar{t}) & t = \bar{t} \end{cases} \\ \max[a\delta_i + A(t), b(\delta_i) + B(t)] &\doteq \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ \max(a, b)\delta_i + \max[A(\bar{t}), B(\bar{t})] & t = \bar{t} \end{cases} \end{aligned}$$

Page 46, line 1:

$$\begin{aligned} W^{**}_\alpha(t) &= \begin{cases} R'(t) & \text{if } W^*_\alpha(t) > \alpha(t) \\ \max[R'(t), \alpha'(t)] & \text{if } W^*_\alpha(t) = \alpha(t) \\ \alpha'(t) & \text{if } W^*_\alpha(t) < \alpha(t) \end{cases} \\ W^{*'}_\alpha(t) &= \begin{cases} R'(t) & \text{if } W^*_\alpha(t) > \alpha(t) \\ \max[R'(t), \alpha'(t)] & \text{if } W^*_\alpha(t) = \alpha(t) \\ \alpha'(t) & \text{if } W^*_\alpha(t) < \alpha(t) \end{cases} \end{aligned}$$

Page 46, line 7:

$$\begin{aligned} \lim_{t \rightarrow \bar{t}} X(\bar{t}) &= \lim_{t \rightarrow \bar{t}} X(\bar{t}) + h, h > 0 \\ \lim_{t \rightarrow \bar{t}^+} X(t) &= \lim_{t \rightarrow \bar{t}^-} X(t) + h, h > 0 \end{aligned}$$

Page 46, lines 12-14:

$$\underline{X'(\bar{t}) = h\delta_{\bar{t}} + X^{*,+}(\bar{t}), X^{*,+}(\bar{t}) = \lim_{\Delta \rightarrow 0^+} \frac{X(\bar{t} + \Delta) - X(\bar{t})}{\Delta}}$$

$$\underline{\max[a\delta_{\bar{t}} + A(t), B(t)] = \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ a\delta_{\bar{t}} + A(\bar{t}) & t = \bar{t} \end{cases}}$$

$$\underline{\max[a\delta_{\bar{t}} + A(t), b(\delta_{\bar{t}}) + B(t)] = \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ \max(a, b)\delta_{\bar{t}} + \max[A(\bar{t}), B(\bar{t})] & t = \bar{t} \end{cases}}$$

$$\underline{X'(\bar{t}) = h\delta_{\bar{t}} + X^{*,+}(\bar{t}), X^{*,+}(\bar{t}) = \lim_{\Delta \rightarrow 0^+} \frac{X(\bar{t} + \Delta) - X(\bar{t})}{\Delta}}$$

$$\underline{\max[a\delta_{\bar{t}} + A(t), B(t)] = \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ a\delta_{\bar{t}} + A(\bar{t}) & t = \bar{t} \end{cases}}$$

$$\underline{\max[a\delta_{\bar{t}} + A(t), b(\delta_{\bar{t}}) + B(t)] = \begin{cases} \max[A(t), B(t)] & t \neq \bar{t} \\ \max(a, b)\delta_{\bar{t}} + \max[A(\bar{t}), B(\bar{t})] & t = \bar{t} \end{cases}}$$

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Amendments to the Drawings:

Please replace original FIG. 8 with the attached new FIG.
8.

Attachment: Replacement Sheet
 Annotated Sheet Showing Changes